

**Supplementary Material 5 - Shown are Metabolite, Slope, its lower and upper confidence intervals (L95, U95), standard error, p-value of the slope (FDR) after correction for multiple testing during day 2 for the aware vs unaware comparative analysis**

Metabolites	Slope	L95	U95	SE	p_value	FDR
3-Hydroxybutyric acid	-0.697027352	-1.194597313	-0.199457391	0.245994065	0.007253057	0.493207871
2-Hydroxybutyric acid	-0.643722534	-1.29583774	0.008392673	0.322399829	0.05287598	0.670720136
Alanine	-0.099231416	-0.608632084	0.410169252	0.251843059	0.695711879	0.921887744
alpha-ketoglutaric acid	-0.266856565	-0.864989312	0.331276181	0.295711391	0.372372522	0.897101096
Arachidonic acid	0.335518757	-0.595111477	1.266148991	0.460095126	0.470213319	0.920344118
Cholesterol	-0.029272719	-0.854063318	0.79551788	0.407768973	0.943137902	0.957214587
Citric acid	-0.445125214	-1.150469619	0.260219191	0.348715861	0.209338508	0.884602712
Fumaric acid	-0.137013762	-1.459619887	1.185592363	0.653884443	0.835118873	0.944748025
Glutamic acid	-0.202956309	-0.670822322	0.264909704	0.231308703	0.38562852	0.897101096
Glycine	-0.285060091	-0.930103575	0.359983393	0.318903634	0.376871824	0.897101096
Isoleucine	0.783943667	0.046143871	1.521743464	0.364761511	0.037882929	0.670720136
Leucine	0.435234205	-0.107446634	0.977915044	0.268296473	0.112815174	0.852381318
Linoleic acid	-0.389413477	-1.100051093	0.321224139	0.351332776	0.274482515	0.884602712
Malic acid	-0.746709843	-1.489604906	-0.00381478	0.367280564	0.048891083	0.670720136
Methionine	0.289370003	-0.508148531	1.086888538	0.394285912	0.467393613	0.920344118
Myo inositol	-0.114693872	-0.557516319	0.328128575	0.218927392	0.603319768	0.920344118
Oleic acid	-0.612239632	-1.171327795	-0.053151468	0.276408105	0.032670841	0.670720136
Palmitic acid	-0.607687557	-1.480395332	0.265020217	0.431458789	0.166920879	0.884602712
Phenylalanine	0.446060168	-0.371131355	1.263251692	0.404012059	0.276325687	0.884602712
Proline	0.032115514	-0.446006464	0.510237492	0.236379159	0.892627351	0.955320011
Serine	0.209393536	-0.612069675	1.030856748	0.406123943	0.609051255	0.920344118
Stearic acid	-0.633984854	-1.46183451	0.193864802	0.409281343	0.129454618	0.880291401
Succinic acid	-0.437237706	-1.317074601	0.44259919	0.434983361	0.321005101	0.897101096
Threonine	0.165725496	-0.769202919	1.100653911	0.462220108	0.721871109	0.921887744
Valine	0.137195461	-0.336908744	0.611299667	0.234392809	0.561702418	0.920344118
2,4-Dihydroxybutanoic acid	0.118473687	-0.2257628	0.462710175	0.17018739	0.490471375	0.920344118
3,4-Dihydroxybutanoic acid	0.091965363	-0.609815641	0.793746367	0.346954148	0.792355484	0.928968498

alpha-Tocopherol	-0.366205898	-1.210643511	0.478231716	0.417482278	0.385762092	0.897101096
Glyceric acid	-0.168726586	-0.814393633	0.476940461	0.319211917	0.600097502	0.920344118
Lactic acid	-0.691137206	-1.535709141	0.15343473	0.417548686	0.105905306	0.852381318
1,3-Propanediol	0.806048174	-0.524075228	2.136171575	0.657600916	0.227646775	0.884602712
1-Dodecanol	0.080473163	-0.465285141	0.626231467	0.269817943	0.76709574	0.923522359
2-(2-Butoxyethoxy)ethoxy	-0.204054315	-1.343624991	0.935516362	0.563393381	0.719166827	0.921887744
2,3-Dihydroxybutanoic acid	0.468207212	-1.115748206	2.052162631	0.783093157	0.553366562	0.920344118
2-Aminobutyric acid	0.077790061	-0.734947107	0.890527229	0.401809866	0.847494551	0.944748025
2-Hydroxy-3-methylbutyric acid	-0.328012089	-0.92810268	0.272078501	0.296679332	0.275668615	0.884602712
2-Keto-3-methylbutanoic acid	-0.397117711	-1.279138083	0.48490266	0.436062852	0.368053756	0.897101096
2-Keto-3-methylpentanoic acid	0.185670251	-0.83347897	1.204819472	0.503858108	0.714495419	0.921887744
3-Indoleacetic acid	0.246314951	-0.278699069	0.771328971	0.259562158	0.348482981	0.897101096
3-Indolepropionic acid	-0.17315659	-0.483210196	0.136897016	0.153287684	0.265537157	0.884602712
3-Phenylpropanoic acid	0.042475077	-0.630855298	0.715805452	0.332888415	0.899124717	0.955320011
4-Hydroxybutanoic acid	-0.254491961	-1.328727118	0.819743196	0.531092094	0.634482302	0.921887744
4-Hydroxyphenyllactic acid	0.103945574	-0.452449867	0.660341015	0.275076847	0.707569907	0.921887744
Aminomalonic acid	-0.307259241	-1.211885939	0.597367457	0.447239215	0.496139585	0.920344118
Arachidic acid	1.004232385	-0.755329715	2.763794485	0.869911504	0.255358071	0.884602712
Creatinine	0.552518451	-0.435933975	1.540970877	0.488681892	0.26511613	0.884602712
Decanoic acid	0.04823567	-1.07895555	1.175426891	0.557273091	0.931466834	0.957214587
Doconexent	0.117724611	-0.856018507	1.091467729	0.481409744	0.8080936	0.931362116
Dodecanoic acid	-0.250768871	-0.848809076	0.347271334	0.29566564	0.401529975	0.897101096
Ethanolamine	-0.672327546	-1.399664496	0.055009405	0.359588775	0.06904472	0.670720136
Glycerol	-0.49708501	-2.119906193	1.125736173	0.802308038	0.539144771	0.920344118
Glycolic acid	-0.135333493	-0.940887945	0.67022096	0.398258797	0.735820759	0.921887744
Heptadecanoic acid	-0.443513311	-1.27313675	0.386110129	0.410158285	0.286194995	0.884602712
Hydroxylamine	-0.210679647	-1.425202271	1.003842976	0.600448942	0.72757403	0.921887744
Hydroxyproline	-0.191277141	-0.86424085	0.481686567	0.332707139	0.568653198	0.920344118
Isopropyl myristate	0.205236291	-1.06545327	1.475925852	0.628217365	0.745644499	0.921887744
L-5-Oxoproline	0.000904261	-1.025854508	1.02766303	0.5076202	0.998587752	0.998587752

Nonanoic acid	0.28459556	-0.965910804	1.535101924	0.618238976	0.647833949	0.921887744
Octanoic acid	0.328058751	-0.776700697	1.432818199	0.546183026	0.551555399	0.920344118
Ornithine	0.122568978	-0.73534911	0.980487066	0.424146902	0.774129036	0.923522359
Oxalic acid	0.675083137	-0.271849727	1.622016001	0.468154998	0.157283038	0.884602712
Palmitoleic Acid	-0.211640525	-0.880734021	0.45745297	0.330793741	0.52604606	0.920344118
Propanedioic acid	0.527489708	-0.32418695	1.379166366	0.421061196	0.217751919	0.884602712
Pyroglutamic acid	1.036282502	-0.050675242	2.123240247	0.537382026	0.061109109	0.670720136
Ribonic acid	0.070441723	-0.874806714	1.01569016	0.467322233	0.88096187	0.955320011
Tetradecanoic acid	-0.266819994	-0.969488656	0.435848668	0.347392997	0.447075111	0.920344118
Tryptophan	0.445774941	-0.634455651	1.526005533	0.534056183	0.408972558	0.897101096
Tyrosine	0.024533225	-0.62112896	0.670195411	0.319209514	0.939130893	0.957214587